

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/25490

A. CLASSIFICATION OF SUBJECT MATTER																						
IPC(7)	: G06K 9/34, 9/20																					
US CL	: 382/173, 282																					
According to International Patent Classification (IPC) or to both national classification and IPC																						
B. FIELDS SEARCHED																						
Minimum documentation searched (classification system followed by classification symbols)																						
U.S. : 382/173, 282, 291, 225, 180; 345/620-628; 358/453																						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched IEEE																						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet																						
C. DOCUMENTS CONSIDERED TO BE RELEVANT																						
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																				
X	US 2002/0191816 A1 (CHEATLE) 19 December 2002 (19.12.2002), Whole Document.	1,2,9,11,13,15,16,21-23,30-																				
Y		32,34,35,38,40,42,44-46,49																				
		10,14,17,36,37,41,43,47																				
Y	PORTER et al. A Robust Automatic Clustering Scheme for Image Segmentation Using Wavelets, IEEE Transactions on Image Processing, April 1996, Vol. 5, Issue 4, pages 662-665	10, 41																				
Y	US 5,341,226 A (SHIAU) 23 August 1994 (23.08.1994), Whole Document.	14,43																				
Y	US 2003/0035580 A1 (WANG et al) 20 February 2003 (20.02.2003), Whole Document.	17,47																				
Y	US 2003/0122942 A1 (PARKER et al) 03 July 2003 (03.07.2003), Whole Document.	36																				
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																						
* Special categories of cited documents: <table border="0"> <tr> <td>"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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"P"	document published prior to the international filing date but later than the priority date claimed																					
Date of the actual completion of the international search		Date of mailing of the international search report																				
08 April 2005 (08.04.2005)		26 MAY 2005																				
Name and mailing address of the ISA/US		Authorized officer																				
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0114535 A1 (LUO) 22 August 2002 (22.08.2002), Whole Document.	37

INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: camera, image, crop, segment, ROI, region, feature